User Manual

Manuel d'utilisation

Bathmaster sonaris™

Manufactured for:

homecraft Rolyan

A Patterson Company

CE

20 february 2007

Introduction

The Bathmaster Sonaris is a patient bathing device intended to assist a bather into and out of a bath.

Designed to make the pleasure of taking a bath safer and easier, for both user and carer, the Bathmaster Sonaris is a fully battery powered, self-contained bath seat which requires no plumbing or electrical installation.

The bath lift folds compactly, and separates into two parts, enabling it to be carried, transported and stored easily.

The Bathmaster Sonaris is easily positioned in any standard bath (Note: There are a few extremely narrow or contoured designs of bath in which a powered bath seat is not suitable). The frame stands on four suction feet that may be rotated to suit the curved floor of the bath. Integral 'pull- up' tabs on the suction feet, plus a rear release system, enable the Bathmaster Sonaris to be easily removed from the bath.
Replacement components and accessories are available.

Components

The Bathmaster Sonaris included the following components:

- White plastic lower seat section with side transfer flaps and four blue suction feet,
- White plastic backrest with motor and cable,
- Two blue side flap protectors,
- Hand controller containing battery pack with LED low-battery warning light and audible bleep,
- Battery recharger with country specific lead and plug,
- User instructions.

If any of the above components are missing or damaged, do not use the Bathmaster Sonaris and contact your distributor or Homecraft Rolyan.

Optional accessories are available for those requiring increased comfort or functionality.

Do the following

- **Before using Bathmaster Sonaris for the first time, read these instructions and familiarise yourself with the product and the lifting techniques. Become familiar with the operation of the unit before using it to lower or raise a person.**
- Retain these instructions for future reference and keep them where people using the bath lift can have access to them.
- Ensure the suitability of the unit to lift the individual is assessed. Judging the suitability of any patient lifting device is the responsibility of the healthcare professional or the care giver. Some circumstances that must be considered include the following: size and weight of the individual; his or her upper body strength, balance, co-ordination, cognition and hip flexibility; their potential to spasm.
- Inspect the unit before each use to be sure it is free from damage and excessive wear. Bi-annual inspections by trained technicians are strongly recommended (see Maintaining the Unit).
- Ensure both the bath surface and suction feet are clean, dry and free from soap and bath oil residue before fitting the Bathmaster Sonaris into the bath.
- **Use the Bathmaster Sonaris only with accessories, hand controllers, and rechargers that are supplied by Homecraft Rolyan.**
- When the Bathmaster Sonaris is being used by a disabled person unaided, please ensure that an alarm system or telephone is available that could be used in the event of difficulty or emergency.

Do not do the following

- Do not exceed the maximum lifting capacity of the unit - 140kg (22stone, 308lbs). An overload protection mechanism is incorporated and the lift will not operate if the maximum load is exceeded. In the event that a patient exceeding the maximum load is partially lowered before the overload mechanism operates the patient can be lifted by manually bearing a small proportion of their weight, which will allow the overload mechanism to reset. Note: The overload mechanism will reset automatically, however it is important to ensure the unit is not damaged in any way and should be thoroughly inspected before the next use.
- Do not use the Bathmaster Sonaris as a support to help you stand or steady yourself.
- Do not use the unit on an incline greater than 5°.
- Do not operate the hand controller whilst the unit is disassembled.
- Do not use the Bathmaster Sonaris if metal parts of the connectors or cables are exposed.
- Do not use Bathmaster Sonaris for other uses than which it is designed and detailed in these instructions.
- Do not allow children to play with Bathmaster Sonaris, its parts or accessories.
- During assembly, use or cleaning, be careful not to put your fingers between any moving parts, especially around the backrest (see Fig.1).
- Do not carry the backrest of the Bathmaster Sonaris by the drive mechanism.

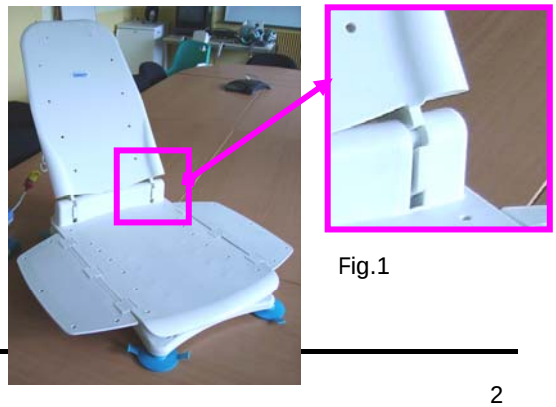


Fig.1

Charging the battery

The Bathmaster Sonaris is operated using a rechargeable, battery powered, hand controller. Each hand controller is completely waterproof and has two suckers on its base allowing it to be secured where convenient. The batteries are charged using low voltage rechargers, designed for the appropriate countries' electricity supply.

The hand controller must be charged prior to first use and whenever it is low on power. New hand controllers should be charged for a minimum of 3 hours prior to first use. Optimum battery capacity will be reached following a few charging cycles.

Charging the battery should be done away from the bathroom and other sources of water.

The light on the battery pack illuminates when the charge is low. When the light flashes during ascent or descent, enough power remains for one to three complete cycles. If the light is permanently lit, enough power remains for one complete lift only. The unit will not lower into the bath.

Do not use the unit after the low-battery light on the hand controller has permanently illuminated. Recharge it before use.

An audible bleep also informs the user that the battery is low. Repeated bleeps during ascent and descent notify the user when enough power remains for one to three complete cycles. A continuous bleep alerts the user that the battery is almost fully discharged. However, enough power remains for one complete lift but the unit will not lower into the bath.

Do not use the unit after the continuous bleep sounds. Recharge it before use.

The hand controller is designed so that it cannot be charged at the same time as being connected to the Bathmaster Sonaris.
The hand controller should be removed from the Bathmaster Sonaris, if the unit is not going to be used for some time.
If storing the unit for more than one week, fully charge the battery pack prior to storage and again before use.
All battery packs are sealed units and batteries are non-replaceable.
The chargers are not designed for use with non-rechargeable batteries.

Ensure that the connector (see Fig.2) on the hand controller is completely dry before plugging it into the recharger or the bath lift.
Inspect the charger and the power cord before each use to ensure they are free from damage.
Ensure the small vent holes on the underside of the hand controller (see Fig.3) are not covered and are free from dirt and debris. If dirt or debris are present, wipe clean with a damp cloth.

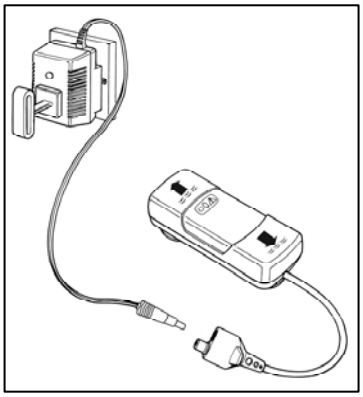


Fig.2

Recharging the hand controller (see Fig.2)
To charge the battery, use the following procedure:
1. Disconnect the cable of the hand controller from the unit.
2. Ensure that the connector is dry.
3. Connect the cable of the hand controller to the cable of the recharger.
4. Plug the recharger into an electrical outlet.

The light on the recharger indicates the following:

Yellow	No Battery Connected
Orange	Charging
Green	Fully Charged
Flashing Orange	Battery Error

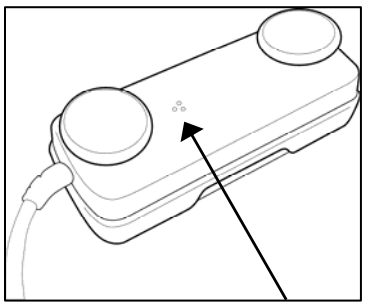


Fig.3

A complete charge takes approximately 3 hours; the battery can be left continuously connected to the recharger.
Note: at the end of the recharge, the hand controller can be hot. This is normal and does not indicate a problem.

Improving the battery lifetime

- Before recharging, wait at least 1 hour after the last use.
- After recharging, wait at least 1 hour before using the hand controller.

Improving the battery performance

If the capacity of the hand controller has noticeably reduced (i.e., the unit provides fewer lifts than expected per full charge), it may need reconditioning.
To recover the full capacity of the battery, use the following procedure:

1. Remove the Bathmaster Sonaris from the bath.
2. Operate the unit repeatedly up and down, without a person on the seat until the light on the battery pack illuminates.
3. Wait at least 1 hour before recharging the battery.
4. Recharge the hand controller for approximately 3 hours (wait until the light on the recharger illuminates green).
5. Wait at least 1 hour before using the hand controller.
6. Repeat steps 2 through 5 four more times.

Preparing the unit for use

If the bath tub has handles then side flap protectors may be needed.

Fitting side flap protectors

- Side flap protectors enable the side flaps to move smoothly up and down without catching beneath the handles on the bath. Clip the protectors into place on the handles with the short edges towards the outside of the bath.
- When fitted correctly, they should rest at the bottom of the edge of the bath (see Fig.4). If necessary they may be trimmed to length. Sharp edges of the trimmed end can be removed with abrasive paper or a file.

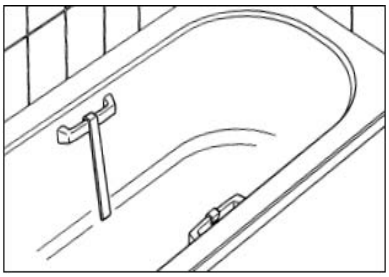


Fig.4

Installing the bath lift

- Before use, ensure there are no obstructions or projections within the bath that may prevent the frame from standing securely and squarely on its suction feet, also that it can be raised and lowered freely without catching under or on, any part of the bath surface, the taps and adjacent fittings.
- You will need to lift the Bathmaster Sonaris and place it into the bath. If you feel you may have difficulty or are unsure how to lift correctly, please ask somebody for help.
- Take particular care to avoid back injury when lifting the unit into and out of the bath, by following safe moving and handling procedures and by separating the Bathmaster Sonaris into it's individual parts.
- Make sure the bathroom floor is dry and free from obstructions to minimise the risk of stumbling, falling and dropping the frame.

Placing the seat unit into the bath

1. Remove the backrest from the seat unit by folding the backrest forward onto the seat and lift it straight up and off the unit.
2. Check the suction feet are securely in place on the frame of the Bathmaster Sonaris before lowering it into the bath.
3. Position the seat unit close to the bath to minimise the carrying distance and the eventual lift into the bath.
4. Lift the seat unit into the bath and position it at the opposite end to the tap fixtures. Ensure the backrest hinges are towards the rear and allow room for the back of the unit to recline.
5. Ensure the side flaps are inclined upwards and that they will not catch under any handles fitted to the bath as the seat rises. If so, side protectors must be used.
6. The suction feet may be rotated to enable the unit to be located as far back and as securely as possible.
7. Ensure all four feet are in contact with the bath surface and are not resting on a bath mat or similar item. Push them securely onto the bottom of the bath.

Fitting the backrest to the seat unit

1. Lay the backrest, face down, onto the seat unit and align the hinges.
2. Lower the hinges onto the brackets, ensuring that they locate fully.
3. Check the drive mechanism is fully retracted into the column. If not, this can be rectified by connecting the hand controller (see below) and pressing the down button.
4. Lift the front of the backrest and rotate until it is in the recline position.
5. Ensure that the back rest is securely attached to the seat unit and the drive mechanism is located within the cup before operating the unit.

Connecting the hand controller

1. Ensure that the connector on the hand controller is completely dry before plugging it into the bath lift.
2. Plug the red connector of the hand controller into the matching yellow plug on the lead from the drive mechanism (see Fig.5). The plugs are egg shaped to enable easy and accurate connection.
3. Ensure that connectors are fully mated before the bath lift is used.
4. Position the hand controller at the side of the bath using the suckers where possible. Ensure that the cable runs clear of the seat and the connector will not become disconnected as a result of the movement of the seat.
5. Operation and safety of the unit are not affected if the hand controller or connector falls into the water during use.

Fig.5

Using the unit whilst bathing

- Ensure the Bathmaster Sonaris is in an upright position and is stable and secure before every use.
- Check the warning light does not illuminate or bleep does not sound when the hand controller is used. If necessary, recharge the battery prior to use.
- Ensure that the unit is tested first before being used by the bather.
- Check that the unit is able to move up and down and recline without obstructions by using the hand controller to raise and lower the unit.
- Ensure the water temperature is neither too hot nor too cold.

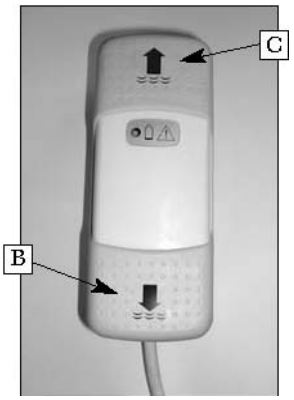


Fig.6

To operate the hand controller: Press pad (C) to raise the unit and (B) to lower. (See Fig.6)
The control pads are textured, to assist the visually impaired, with bumps on the up pad (C) and dimples on the down pad (B).
When either pad is pressed, the warning light will flash and the bleep will sound to signify operation.

At any time during the descent or ascent, the lifting mechanism can be stopped by releasing pressure on the switch pad and travel started in the opposite direction by depressing the other pad. **In case of emergency, stop operation of the unit immediately by pulling apart the connector between the hand controller and the bath lift (see Fig.7 & 8).**

Fig.7

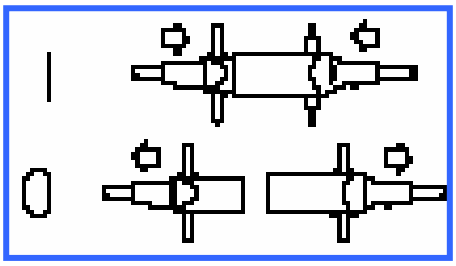


Fig.8

- Hands should be kept clear of the bath sides, bath floor and the sides of the seat when descending or ascending. Legs and feet should not be tucked under the seat. Ensure the bather's feet are situated beyond the front legs of the frame.
- When sitting on the seat of the Bathmaster Sonaris do not push against the bath, such that the front of the bath lift is raised off the floor of the bath, as this will make the bath lift unstable.

Once the Bathmaster Sonaris is positioned correctly in the bath, it can be used as follows:

1. Raise or lower the seat so that the side flaps are level with and resting on the rim of the bath.
2. Stand with your back to the bath and sit down on the outer side flap with the seat directly behind you.
3. Slide back until your buttocks are central on the seat.
4. Swing round, raising each leg over the edge of the bath.
5. Using the hand controller, lower the seat into the bath, keeping the hands and feet away from the underneath of the seat.
6. The unit will stop at the lowest point of travel. To recline the backrest release the down button and press again.
7. When you are in the desired recline position simply release pressure on the pad.

When bathing is complete, alight from the bath by following steps 7 to 10 below:

8. Use the hand controller to raise the seat from the bath, ensuring the flaps, and the users hands, do not become caught under any handles fitted into the bath.
9. Swing round, raising each leg over the edge of the bath.
10. Slide forwards until your buttocks are on the outer side flap with the seat directly behind you.
11. Stand up with your back to the bath.

Where possible, it is preferable that the hand controller is operated by the bather rather than an assistant, so they have complete control and can stop movement in case of discomfort. The seat will only move whilst the controller buttons are pressed down.

Removing the unit from the bath

Disconnect the hand controller from the lifting mechanism by pulling apart the connectors (see Fig.5).
Recharge the hand controller if necessary (See Charging the Battery).

The Bathmaster Sonaris may be stored in the bath if convenient. However, should you wish to remove it, follow either of these procedures:

Removing the unit disassembled

1. Check the bathroom floor is dry and free from obstructions to minimise the risk of stumbling, falling or dropping the frame.
2. Allow any water to drain from the bath.
3. Lower the seat to the bottom of bath and recline the backrest.
4. Fold the side flaps onto the seat.
5. Fold the backrest forward onto the seat.
6. Ensure the hinges are aligned and lift backrest away from the seat and remove from the bath.
7. Lift the tabs to release the suction on the front feet and raise the front of the seat unit off the surface of the bath tub. The rear suction feet should automatically release, enabling the seat unit to be easily removed from the bath.

Removing the unit folded

1. Check the bathroom floor is dry and free from obstructions to minimise the risk of stumbling, falling or dropping the frame.
2. Allow any water to drain from the bath.
3. Lower the seat to the bottom of bath and recline the backrest.
4. Fold the side flaps onto the seat.
5. Fold the backrest forward onto the seat.
6. Lift the tabs to release the suction on the front feet and raise the front of the seat unit off the surface of the bath tub. The rear suction feet should automatically release, enabling the Bathmaster Sonaris to be easily removed from the bath.

Take particular care to avoid back injury when removing the Bathmaster Sonaris from the bath. Follow safe moving and handling procedures. Seek help if you are unsure about installing or removing the bathlift safely yourself.

Transport the unit

A handle hole is provided in the lower section of the seat unit to enable easier carrying (see Fig.9).

Please ensure you do not trap your fingers during use.

Fig.9

Care and cleaning

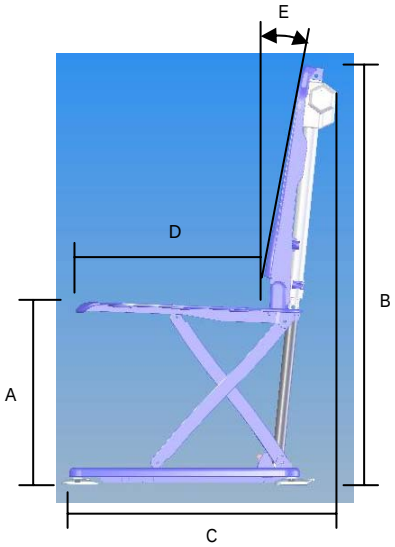
- After bathing, clean the seat with a disinfectant wipe, spray or a mild disinfectant solution then rinse with clean water. This is particularly important when using the Bathmaster Sonaris for more than one person.
- The frame should be cleaned weekly with a mild solution of detergent or disinfectant in warm water.
- Do not use strong solutions of disinfectant.
- If bleach is used for cleaning always ensure that a diluted solution is used and that it is thoroughly removed by rinsing with clean water.
- Ensure that the bath lift is completely dry before storing it.

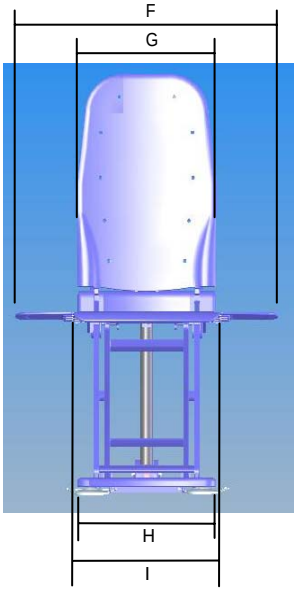
Technical specifications

- Degree of protection against ingress of water:
  - Actuator motor housing IP66
  - Hand Controller IP67
- Motor power rating: .... 12V DC
  ..... Max 6 amps
- Hand controller power rating battery: .... 16.8V DC
  ..... Max 6 amps
  ..... NiMH 1500mAh
- Hand controller operating force : 2.8N
- Time for a complete charge 3h
- Transport and storage conditions:
  - Temperature ..... -20°C to +35°C (-4°Fto +95°F)
  - Relative humidity ..... 30% to 70%
  - Atmospheric pressure ..... 700Pa to 1100hPa
- Conditions for use:
  - Temperature ..... +10°C to +45°C (+50°F to +113°F)
  - Relative humidity ..... 30% to 100%
  - Atmospheric pressure ..... 700Pa to 1100hPa
- Type of protection against shock: ..... Internally powered equipment
- Degree of protection against electric shock: ..... Type B
- Mode of operation 15%
- Maximum user weight..... 140 kg (22 stone, 308 lbs)
- Time for a complete charge 3h
- Noise emission of drive without load (according DIN3746) ..... 52 dB (A)
- Product lifetime ..... 10 000 Cycles
- Total product weight 12.3kg
  Disassembled:
  - Seat frame assembly ..... 7.2 kg
  - Backrest frame assembly 4.6kg
  - Hand controller 0.5kg
- Dimensions:

Seat height (A) ..... 75mm to 455mm
Overall height in highest position (B)..... 1040mm
Overall length in highest position (C) 700mm
Overall length in reclinest position (C) 880mm
Seat Length (D) 510mm
Recline positions (E) ..... 7° to 40°

Width of seat with extended side flaps (F).....680mm
Width of backrest (G) 360mm
Width of base (H) 360mm
Width of seat (I).....375mm





Warranty

Homecraft Rolyan Ltd warrants that the Bathmaster Sonaris Bath Lift is free from defects in material and workmanship. This warranty shall remain in effect for the following terms:

- Five years from the date of original consumer purchase for the frame
- Two years from the date of original consumer purchase for the hand controller and recharger.

In the event that the unit needs inspection or repair, contact Homecraft Rolyan Ltd, the distributor or an approved agent.
This warranty does not cover the following:

- Replacement parts or labour furnished by anyone other than Homecraft Rolyan Ltd, the distributor or an approved agent.
- Any failure of the unit during the warranty period if the failure is not caused by defect in material or workmanship or if the failure is caused by unreasonable use.

Homecraft Rolyan Ltd is not liable for incidental or consequential injury or damage to property.
Should it be necessary to return the Bathmaster Sonaris, it is essential it is adequately packed to protect it in transit, preferably in its own purpose made original box, otherwise Homecraft Rolyan Ltd cannot accept any responsibility for transit damage to the unit.
Any attempt at repair or maintenance by persons other than Homecraft Rolyan Ltd trained or approved personnel will void this warranty.

Maintaining the Unit

The Bathmaster Sonaris should be inspected before each use to ensure it is free from damage and excess wear. The Bathmaster Sonaris is built to give long, reliable use, without need for servicing. Whilst being robust, the lift should be treated with care and in particular should not be dropped. If damage or deterioration is suspected, please contact Homecraft Rolyan Ltd or the distributor, for repair by an approved agent.
For professionals issuing the Bathmaster Sonaris, Homecraft Rolyan Ltd recommend that it receives bi-annual inspections in line with requirements of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER). Inspections should only be carried out by trained and experienced personnel.

Replacement components and accessories

Replacement Suction Feet (set of 4)	**09 116 6149**	
Seat Covers		
Pack of 1 normal cover	**09 116 4417**	
Pack of 1 Gel cover	**09 116 4425**	
Hand Controller with Battery Pack	**09 116 4433**	
Battery Recharger		
North America	**09 107 4368**	**AA1371U**
Europe	**09 107 4343**	**AA1371E**
Australia / new Zealand	**09 107 4335**	**AA1371A**
UK / Ireland	**09 107 4327**	**AA1371**
Japan	**09 107 4350**	**AA1371J**
Swivel Transfer Seat	**09 116 5612**	
Head Rest	**09 116 5596**	
Safety Belt	**09 116 5604**	
Side Flap Protectors	**09 116 7105**	

Recycling

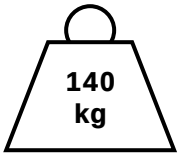
Bathlift, hand controllers and recharger must be disposed of correctly, if in doubt contact your local refuse site.

The bath seat is made from plastic; Hand controller contains electronic components and NiMH batteries; Actuator and recharger contain electronic components; please separate and dispose of correctly.

Troubleshooting guide

Possible Cause	Solution	
Is the correct button on the hand controller being pressed?	Arrows on the buttons point away from or towards the 'water' to indicate the direction of travel as shown right.	Up
Is the hand controller fully connected to the actuator cable?	Push the connectors together until the rubber seal meets the female socket.	Down
Does the hand controller have sufficient charge?	See **Charging the battery** for instructions.	

Guide to icons on packaging and labelling



Maximum User Weight
Poids maximum d'utilisation

Raise the seat
Élever le siège

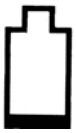
Contains dangerous voltages. Do not remove the cover

Type B electrical insulation
Isolant électrique Type B

Lower the seat
Abaisser le siège

For indoor use and should not be exposed to water or dust

Consult the user manual
Consulter le manuel d'utilisation

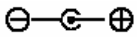


Battery low
Batterie déchargée

Double insulated
Double isolation

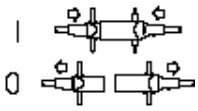
Manufacturing date (date)
Fabriqué en (date)

Warning Read manual
Attention Lire le manuel



Elecrical wiring
Branchement électrique

Approval logo
Logo d'homologation

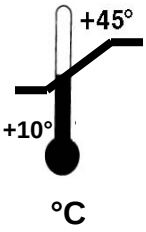


Emergency stop
Arrêt d'urgence

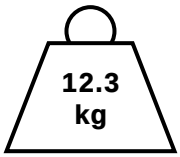
Direct current
Courant continu

Dispose of battery and motor correctly contains electronic components
Éliminer correctement la batterie et le moteur qui contiennent des déchets électroniques

Recycle battery contains nickel metal hydride
Recycler la batterie contient du nickel métal hydrure



Max. & min. battery operating temperature
Températures max. et min. de fonctionnement de la batterie



Total Product Weight
Poids du produit complet

Dispose of battery correctly contains Nickel Metal Hydride

Please retain these instructions for future reference.

For enquiries, telephone:
UK: 08702 423 305 **International**: +44 (0) 1623 448 706

Homecraft Rolyan Ltd, Nunn Brook Road, Huthwaite, NG17 2HU, UK.
Telephone: 08702 423 305 Facsimile: 08701 660 211 www.homecraft-rolyan.com

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